Lifestyle Indices - Running Weather Index - v2

Domain Portfolio: Forecast | Domain: Lifestyle - Indices | Usage Classification: Standard

Geography: Global **Attribution Required:** n/a **Attribution Requirements:** n/a

Your content licensing agreement with TWC determines the number of days returned in the API response and is constrained by the API Key that is provided to your company.

Overview

The Forecast Indices API is sourced from the TWC Forecast system. The Running Weather Index provides indices of outdoor running conditions due to weather - for short, and long runs.

HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see **The Weather Company Data | API Common Usage Guide**.

URL Construction

Atomic API URL Examples:	
Running Weather Index - Daypart API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/runWeather/daypart/<duration>?**geocode=33.74,-84.39**&language=en-US&format=<json>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/runWeather/daypart/3day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunDaypart3
https://api.weather.com/v2/indices/runWeather/daypart/5day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunDaypart5
https://api.weather.com/v2/indices/runWeather/daypart/7day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunDaypart7
https://api.weather.com/v2/indices/runWeather/daypart/10day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunDaypart10
https://api.weather.com/v2/indices/runWeather/daypart/15day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunDaypart15
Request by Postal Code: Required Parameters: postalCode, countryCode, language, format https://api.weather.com/v2/indices/runWeather/daypart/<duration>?**postalCode=94608**&**countryCode=US**&format=<json>&language=en-US&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/runWeather/daypart/3day?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=**yourApiKey**	v2idxRunDaypart3
Running Weather Index - Hourly API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/runWeather/hourly/<duration>?**geocode=33.74,-84.39**&language=en-US&format=<json>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/runWeather/hourly/24hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunHourly24
https://api.weather.com/v2/indices/runWeather/hourly/48hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunHourly48

https://api.weather.com/v2/indices/runWeather/hourly/72hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey** https://api.weather.com/v2/indices/runWeather/hourly/120hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey** https://api.weather.com/v2/indices/runWeather/hourly/240hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey** https://api.weather.com/v2/indices/runWeather/hourly/360hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxRunHourly72 v2idxRunHourly120 v2idxRunHourly240 v2idxRunHourly360
Request by Postal Code: Required Parameters: postalCode, countryCode, language, format https://api.weather.com/v2/indices/runWeather/hourly/<duration>?**postalCode=94608**&**countryCode=US**&format=<json>&language=en-US&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/runWeather/hourly/24hour?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=**yourApiKey**	v2idxRunHourly24

Data Elements & Definitions

API Name	Field Name	Description	Type	Range	Sample	Nulls Allowed	Usage
Repeating Elements: Unique to Forecast							
	fcstValid	Time forecast is valid ... start of the forecast period, always 7am local time.	[epoch]		1369306800	N	Display As Provided
	fcstValidLocal	Time forecast is valid ... start of the forecast period, always 7am local time.	[ISO]		2013-05-23T07:00:00-0400	N	Display As Provided
Repeating Elements: Common Per Time Segment							
Unique to Hourly	dow	Forecast valid day of week	[string]		Wednesday	N	Display As Provided
	num	Daypart Segment (12hour) - Sequential daypart number, where 1 = daytime of Day 0 Long - Range - Sequential hour number, where 1 = first available hour of forecast, usually <= 1hr from “now”	[integer]		21	N	Display As Provided
	dayInd	Day / Night Indicator	[string]	D, N	D	N	Display As Provided
Unique to Daypart	daypartName	Name of 12hr daypart, not including day names in first 48hrs	[string]		Tomorrow	N	Display As Provided
Atomic Indices							
Running Weather Index	longRunWeatherCategory	Descriptive text of Long Run Weather Index	[string]		Poor	N	Display As Provided
	longRunWeatherIndex	Index of outdoor running conditions due to weather - for long runs. 1-2=Very Poor, 3-4=Poor, 5-6=Fair, 7-8=Good, 9=Very Good, 10=Excellent	[integer]	1-10	3	N	Display As Provided
	shortRunWeatherCategory	Descriptive text of Short Run Weather Index	[string]		Good	N	Display As Provided
	shortRunWeatherIndex	Index of outdoor running conditions due to weather - for short runs. 1-2=Very Poor, 3-4=Poor, 5-6=Fair, 7-8=Good, 9=Very Good, 10=Excellent	[integer]	1-10	8	N	Display As Provided

JSON Sample

JSON Sample - Hourly	JSON Sample - Daypart

{
"metadata": {},
"runWeatherIndex1hour": {
"fcstValid": [], {//JSON payload},
"fcstValidLocal": [], {//JSON payload},
"num": [], {//JSON payload},
"dow": [], {//JSON payload},
"dayInd": [], {//JSON payload},
"longRunWeatherIndex": [], {//JSON payload},
"longRunWeatherCategory": [], {//JSON payload},
"shortRunWeatherIndex": [], {//JSON payload},
"shortRunWeatherCategory": [] {//JSON payload},
}
}
	{
	"metadata": {},
	"runWeatherIndex12hour": {
	"fcstValid": [], {//JSON payload},
	"fcstValidLocal": [], {//JSON payload},
	"dayInd": [], {//JSON payload},
	"num": [], {//JSON payload},
	"daypartName": [], {//JSON payload},
	"longRunWeatherIndex": [], {//JSON payload},
	"longRunWeatherCategory": [], {//JSON payload},
	"shortRunWeatherIndex": [], {//JSON payload},
	"shortRunWeatherCategory": [] {//JSON payload},
	}
	}